

Title (en)  
PROCESS FOR THE PRODUCTION OF METHACRYLIC ACID FROM ISOBUTYRALDEHYDE

Publication  
**EP 0079432 B1 19841024 (DE)**

Application  
**EP 82107737 A 19820824**

Priority  
DE 3142487 A 19811027

Abstract (en)  
[origin: ES8306697A1] To produce methacrylic acid, firstly, isobutyraldehyde is acetalized. The resultant acetal is cleaved into the isobutenyl ether and alcohol. The isobutenyl ether is oxidized with molecular oxygen or an oxygen-containing gaseous mixture in the presence of an alkaline solution at temperatures of 30 DEG -70 DEG C. to obtain the epoxide. This epoxide is hydrolyzed to the alpha -hydroxyisobutyraldehyde. The latter is then oxidized with concentrated or fuming nitric acid at temperatures of 20 DEG -110 DEG C. to produce alpha -hydroxyisobutyric acid, and methacrylic acid is obtained therefrom by splitting off water.

IPC 1-7  
**C07C 57/04; C07C 51/00**

IPC 8 full level  
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CPC (source: EP US)  
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